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1	RFC-ED		RFC	REC	RPO	1-0	
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HELP

Perform Another Search :						
Search for : All Fields Results Per Page:  25 RFC File: ASCII+ C All PDF	Search: All C RFC STD C BCP C FYI Match: Prefix C Entire Word Show Abstract: On Off Show Keywords: On Off Result Order: Descending Ascending RFC Contents Via: FTP C HTTP					

o Based on your search of [socket] in the All Fields field 18 matches were found

- Below you will find matching items <u>1 through 18</u>

Number	Title	Author or Ed.	Date		More Info (Obs&Upd)	Status
RFC3678	Socket Interface Extensions for Multicast Source Filters	D. Thaler, B. Fenner, B. Quinn	January 2004	ASCII		INFORMATIONAL
RFC3542	Advanced Sockets Application Program Interface (API) for IPv6	W. Stevens, M. Thomas, E. Nordmark, T. Jinmei	May 2003	ASCII	Obsoletes RFC2292 Errata	INFORMATIONAL
RFC3493	Basic Socket Interface Extensions for IPv6	R. Gilligan, S. Thomson, J. Bound, J. McCann, W. Stevens	February 2003	ASCII	Obsoletes RFC2553	INFORMATIONAL
	Basic Socket Interface Extensions for IPv6	R. Gilligan, S. Thomson, J. Bound, W. Stevens	March 1999	ASCII	Obsoletes RFC2133, Obsoleted by RFC3493, Updated by RFC3152	INFORMATIONAL
	Advanced Sockets API for IPv6	W. Stevens, M. Thomas	February 1998	ASCII	Obsoleted by RFC3542	INFORMATIONAL
RFC2133	Basic Socket	R. Gilligan,	April	ASCII	Obsoleted by	INFORMATIONAL

	Interface Extensions for IPv6	S. Thomson, J. Bound, W. Stevens	1997		RFC2553	
	Note on socket number assignment	E.A. Taft	Feb-19- 1974	ASCII		UNKNOWN
	Socket number list	N. Neigus, J. Postel	Apr-12- 1973	ASCII	Obsoletes RFC433, Obsoleted by RFC739	UNKNOWN
	Change in socket for TIP news facility	R. Thomas	Mar-13- 1973	ASCII		UNKNOWN
	Socket number list	J. Postel	Dec-22- 1972	ASCII	Obsoletes RFC349, Obsoleted by RFC503	UNKNOWN
RFC0398	ICP Sockets	<u>                                    </u>	Sep-22- 1972	ASCII		UNKNOWN
RFC0349	Proposed Standard Socket Numbers	J. Postel	May-30- 1972	ASCII	Obsoleted by RFC433	UNKNOWN
	Well known socket numbers	V. Cerf, J. Postel	Mar-26- 1972	ASCII		UNKNOWN
RFC0204	Sockets in use	J. Postel	Aug-05- 1971	ASCII	Updated by RFC234	UNKNOWN
RFC0175	Comments on Socket Conventions Reconsidered	E. Harslem, J.F. Heafner	Jun-11- 1971	ASCII		UNKNOWN
RFC0167	Socket conventions reconsidered	A.K. Bhushan, R.M. Metcalfe, J.M. Winett	May-24- 1971	ASCII		UNKNOWN
	Definition of a socket	J.M. Winett	May-07- 1971	ASCII	Updates RFC129	UNKNOWN
	Request for comments on socket name structure	E. Harslem, J. Heafner, E. Meyer	Apr-22- 1971	ASCII	Updated by RFC147	UNKNOWN

HOME NEWS DATABASE SEARCH ERRATA SEARCH HOME	penen	pen	pen	622 62	1 12	Controle
HOME   ''**'   DATABASE   SEARCH   ERRATA   SEARCH   HOME		'\' \'	''' ~	RFC	' '''	
	HOME   ''**''	DATABASE	SEARCH	ERRATA	SEAROH	HOME

Perform Another Search :						
Search for : All Fields Results Per Page:  25  RFC File: ASCII+ All PDF	Search: All RFC STD C  BCP FYI  Match: Prefix Entire Word  Show Abstract: On Off  Show Keywords: On Off  Result Order: Descending  Ascending  RFC Contents Via: FTP C HTTP					

o Based on your search of [virtual] in the All Fields field 24 matches were found - Below you will find matching items 1 through 24

Number	Title	Author or Ed.	Date	Format	More Info (Obs&Upd)	Status
RFC3809	Generic Requirements for Provider Provisioned Virtual Private Networks (PPVPN)	A. Nagarajan, Ed.	June 2004	ASCII		INFORMATIO
RFC3768	Virtual Router Redundancy Protocol (VRRP)	R. Hinden, Ed.	April 2004	ASCII	Obsoletes RFC2338	DRAFT STANDARD
RFC3715	IPsec-Network Address Translation (NAT) Compatibility Requirements	B. Aboba, W. Dixon	March 2004	ASCII	Errata	INFORMATIO
RFC3541	A Uniform Resource Name (URN) Namespace for the Web3D Consortium (Web3D)	A. Walsh	May 2003	ASCII	•	INFORMATIO
RFC3321	Signaling Compression (SigComp) - Extended Operations	H. Hannu, J. Christoffersson, S. Forsgren, K C. Leung, Z. Liu, R. Price	11	ASCII		PROPOSED STANDARD
RFC3320	Signaling Compression (SigComp)	R. Price, C. Bormann, J. Christoffersson,	January 2003	ASCII		PROPOSED STANDARD

		H. Hannu, Z. Liu, J. Rosenberg				
RFC3255	Extending Point-to-Point Protocol (PPP) over Synchronous Optical NETwork/Synchronous Digital Hierarchy (SONET/SDH) with virtual concatenation, high order and low order payloads	N. Jones, C. Murton	April 2002	ASCII		PROPOSED STANDARD
RFC3070	Layer Two Tunneling Protocol (L2TP) over Frame Relay	V. Rawat, R. Tio, S. Nanji, R. Verma	February 2001	ASCII		PROPOSED STANDARD
RFC3069	VLAN Aggregation for Efficient IP Address Allocation	D. McPherson, B. Dykes	February 2001	ASCII		INFORMATIO1
RFC2955	Definitions of Managed Objects for Monitoring and Controlling the Frame Relay/ATM PVC Service Interworking Function		October 2000	ASCII		PROPOSED STANDARD
RFC2917		K. Muthukrishnan, A. Malis	September 2000	ASCII		INFORMATIO
RFC2787	Definitions of Managed Objects for the Virtual Router Redundancy Protocol		March 2000	ASCII		PROPOSED STANDARD
RFC2764	A Framework for IP Based Virtual Private Networks	B. Gleeson, A. Lin, J. Heinanen, G. Armitage, A. Malis	February 2000	ASCII	Errata	INFORMATIO
RFC2735	NHRP Support for Virtual Private Networks	B. Fox, B. Petri	December 1999	ASCII		PROPOSED STANDARD
RFC2685	Virtual Private Networks Identifier	B. Fox, B. Gleeson	September 1999	ASCII		PROPOSED STANDARD
RFC2674	Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions	E. Bell, A. Smith, P. Langille, A. Rijhsinghani, K. McCloghrie	August 1999	ASCII		PROPOSED STANDARD

RFC2642	Cabletron's VLS Protocol Specification	L. Kane	August 1999	ASCII		INFORMATIO1
RFC2547	BGP/MPLS VPNs	E. Rosen, Y. Rekhter	March 1999	ASCII		INFORMATIO
RFC2340	Nortel's Virtual Network Switching (VNS) Overview	B. Jamoussi, D. Jamieson, D. Williston, S. Gabe	May 1998	ASCII		INFORMATIO
RFC2338	Virtual Router Redundancy Protocol	S. Knight, D. Weaver, D. Whipple, R. Hinden, D. Mitzel, P. Hunt, P. Higginson, M. Shand, A. Lindem	April 1998	ASCII	Obsoleted by RFC3768	PROPOSED STANDARD
RFC1705	Six Virtual Inches to the Left: The Problem with IPng	R. Carlson, D. Ficarella	October 1994	ASCII		INFORMATIO
	CRONUS Virtual Local Network	W.I. MacGregor, D.C. Tappan	Aug-25- 1982	ASCII		UNKNOWN
	Virtual Terminal management model	J. Nabielsky, A.P. Skelton	Jan-01- 1981	ASCII		UNKNOWN
RFC0377	Using TSO via ARPA Network Virtual Terminal	R.T. Braden	Aug-10- 1972	ASCII		UNKNOWN

# The main IP address is incorrectly identified as the source of packets that you send through a socket that is bound to a virtual IP address in Windows 2000

# **SYMPTOMS**

When you send packets from a Microsoft Windows 2000-based computer that has a network card with one main IP address and one virtual IP address through a socket that is bound to the virtual IP address, the main IP address may be unexpectedly identified as the source of the packets. You expect the virtual IP address to be identified as the source

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Article ID

: 883926

Last Review : September 29, 2004

of the packets. This problem occurs only if you send the packets to a multicast address.

For example, this problem occurs in the following scenario:

- 1. You assign the IP address 150.41.50.56 as the main address for the network card.
- 2. You assign the IP address 120.50.10.10 as an additional, or virtual, address for the network card.
- 3. You bind socket 12345 to IP address 120.50.10.10.
- 4. You send packets through socket 12345 to a multicast address.

The source address of the packets that you sent through socket 12345 to the multicast address is IP 150.41.50.56 instead of IP 120.50.10.10.

# **CAUSE**

This problem occurs because the IP\_MULTICAST\_IF socket option does not obtain the virtual IP address, and therefore it marks the source of the packets as the main IP address.

# **RESOLUTION**

#### **Hotfix information**

A supported hotfix is now available from Microsoft, but it is only intended to correct the problem that is described in this article. Only apply it to systems that are experiencing this specific problem. This hotfix may receive additional testing. Therefore, if you are not severely affected by this problem, we recommend that you wait for the next Windows 2000 service pack that contains this hotfix.

To resolve this problem immediately, contact Microsoft Product Support Services to obtain the hotfix. For a complete list of Microsoft Product Support Services phone numbers and information about support costs, visit the following Microsoft Web site:

http://support.microsoft.com/default.aspx?scid=fh;[LN];CNTACTMS

**Note** In special cases, charges that are ordinarily incurred for support calls may be canceled if a Microsoft Support Professional determines that a specific update will resolve your problem. The usual support costs will apply to additional support questions and issues that do not qualify for the specific update in question.

#### **Prerequisites**

Windows 2000 Server Service Pack 4 (SP4).

### Restart requirement

You must restart your computer after you apply this hotfix.

#### **Hotfix replacement information**

This hotfix does not replace any other hotfixes.

#### File information

The main IP address is incorrectly identified as the source of packets th... Page 2 of 3

The English version of this hotfix has the file attributes (or later file attributes) that are listed in the following table. The dates and times for these files are listed in coordinated universal time (UTC). When you view the file information, it is converted to local time. To find the difference between UTC and local time, use the **Time Zone** tab in the Date and Time tool in Control Panel.

Date	Time	Version	Size	File name
19-Jun-2003 20-Aug-2004	20:05 08:06	5.0.2195.6687 5.0.2195.6602 5.0.2195.6969	108,816 318,832	Afd.sys Msafd.dll Tcpip.sys
		5.0.2195.6655 5.0.2195.6601	,	Tdi.sys Wshtcpip.dll

# **STATUS**

Microsoft has confirmed that this is a problem in the Microsoft products that are listed in the "Applies to" section.

# **MORE INFORMATION**

The IP\_MULTICAST\_IF socket option determines the interface to be used for multicasting. For additional information about how hotfix packages are named, click the following article number to view the article in the Microsoft Knowledge Base:

816915 New file naming schema for Microsoft Windows software update packages

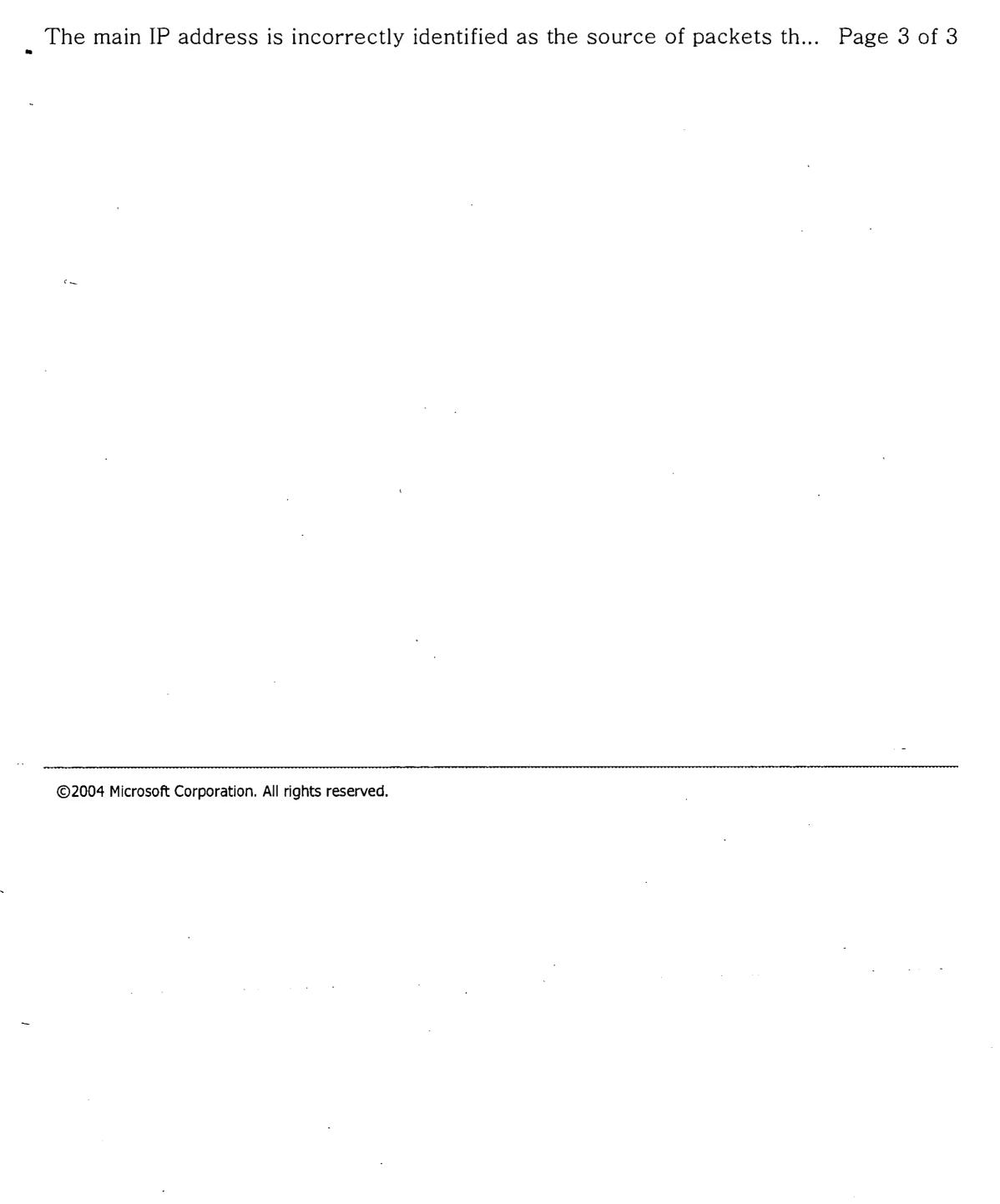
For additional information, click the following article number to view the article in the Microsoft Knowledge Base:

824684 Description of the standard terminology that is used to describe Microsoft software updates

#### **APPLIES TO**

- Microsoft Windows 2000 Enterprise Edition
- Microsoft Windows 2000 Professional Edition
- Microsoft Windows 2000 Enterprise Edition

Keywords: kbbug kbfix kbqfe kbwin2000presp5fix KB883926



L Number	Hits	Search Text	DB	Time stamp
1	36	socket\$1 near10 virtual with network	USPAT	2004/10/19
2	1	socket\$1 near10 virtual with domain\$1	USPAT	2004/10/19
3	6	socket\$1 near10 virtual with network and socket\$1 near15 (address\$1 or domain\$1)	USPAT	2004/10/19 10:47
4	7	near15 virtual socket\$1 near10 virtual with host\$1	USPAT	2004/10/19
5	43	socket\$1 near10 virtual with (host\$1 or client\$1 or user\$1)	USPAT	2004/10/19
6	100	1	USPAT; US-PGPUB	2004/10/19
7	6		USPAT; US-PGPUB	2004/10/19
8	74	·	USPAT; US-PGPUB	2004/10/19
9	3	· · · · · · · · · · · · · · · · · · ·	USPAT; US-PGPUB	2004/10/19
10	38	socket\$1 near10 virtual near8 address\$2	USPAT; US-PGPUB	2004/10/19
11	836	source near10 virtual near8 address\$2	USPAT; US-PGPUB	2004/10/19
12	652	source near3 address\$2 near10 virtual near8 address\$2	USPAT; US-PGPUB	2004/10/19 11:59
13	70		USPAT; US-PGPUB	2004/10/19
14 -	62	source near3 address\$2 near10 virtual near8 address\$2 AND socket\$3 not	USPAT; US-PGPUB	2004/10/19
15	4	(socket\$1 near10 virtual near8 address\$2) source near3 address\$2 near10 virtual near8 address\$2 same socket\$3 not	USPAT; US-PGPUB	2004/10/19
16	51	(socket\$1 near10 virtual near8 address\$2) virtual near8 address\$2 same socket\$3 not	USPAT;	2004/10/19
17	4	(socket\$1 near10 virtual near8 address\$2) virtual near8 address\$2 same socket\$3.ab. not (socket\$1 near10 virtual near8	US-PGPUB USPAT; US-PGPUB	12:01 2004/10/19 13:46
18	5		USPAT;	2004/10/19
_	0	socket\$1 same virtual near5 address\$2 socket\$1 with bind\$3 near10 source	US-PGPUB USPAT	13:47 2004/04/28 14:17
-	1	socket\$1 near10 bind\$3 near10 source	USPAT	2004/04/28 14:17
-	4880	socket\$1 near10 source	USPAT	2004/04/28 14:17
-	170	communicat\$3 with socket\$1 near10 source	USPAT	2004/04/28 14:17
-	0	communicat\$3 with socket\$1 near10 source near10 virtual.ab.	USPAT	2004/04/28 14:18
-	0	communicat\$3 with socket\$1 near10 source near10 virtual	USPAT	2004/04/28 14:18
-	0		USPAT	2004/04/28 14:18
-	34	communicat\$3 with socket\$1 near10 virtual	USPAT	2004/04/28 14:19
-	103	communicat\$3 with socket\$1 near10 address\$2	USPAT	2004/04/28 14:42
-	0	communicat\$3 with socket\$1 near10 address\$2 with virtual	USPAT	2004/04/28 14:19
-	17	communicat\$3 with socket\$1 near10 virtual with network	USPAT	2004/04/28 14:36
-	0	communicat\$3 with socket\$1 near10 address\$2 near10 securit\$3	USPAT	2004/04/28 14:21
-	1	communicat\$3 with socket\$1 near10 address\$2.ab.	USPAT	2004/04/28 14:21
-	21	709/20\$1.ccls. and communicat\$3 with socket\$1 near10 address\$2	USPAT	2004/04/28 14:23

_	0	709/20\$1.ccls. and socket\$1 near10	USPAT	2004/04/28
_	6	virtual with address\$2 709/20\$1.ccls. and socket\$1 near15 source	USPAT	14:23
_	5	near15 address\$2 709/20\$1.ccls. and socket\$1 near15 source	USPAT	14:23 2004/04/28
	,	near15 address\$2 not (709/20\$1.ccls. and	OSIAI	14:23
		communicat\$3 with socket\$1 near10		
		address\$2)		
-	21	709/20\$1.ccls. and communicat\$3 with	USPAT	2004/04/28
		socket\$1 near10 address\$2 not (communicat\$3 with socket\$1 near10		14:24
		virtual with address\$2 )		
_	9	socket\$1 near10 virtual with address\$2	USPAT	2004/04/28
	_			14:36
_	5	709/245.ccls. and communicat\$3 with	USPAT	2004/04/28 14:39
_	19	socket\$1 near10 address\$2 709/245.ccls. and socket\$1 near10	USPAT	2004/04/28
		address\$2		14:39
_	3	709/245.ccls. and socket\$1 near10	USPAT	2004/04/28
	-	address\$2 and identit\$3		14:40
_	1	709/245.ccls. and socket\$1 near10	USPAT	2004/04/28 14:40
_	1	709/\$3.ccls. and communicat\$3 with	USPAT	2004/04/28
	_	socket\$1 near10 address\$2.ab.	_	14:42
-	45	709/\$3.ccls. and communicat\$3 with	USPAT	2004/04/28
	1	socket\$1 near10 address\$2	IICDAM	15:47
-	1	709/\$3.ccls. and communicat\$3 with socket\$1 near10 bind\$3 with address\$2	USPAT	2004/04/28 14:49
_	515	709/\$3.ccls. and socket\$1 near10	USPAT	2004/04/28
		connection\$1		15:48
-	20		USPAT	2004/04/28
	20	connection\$1.ab.	USPAT	15:49 2004/04/28
	20	709/\$3.ccls. and socket\$1 near10 connection\$1.ab. and socket\$1	USPAI	15:53
_	21	709/\$3.ccls. and socket\$1 near10	USPAT	2004/04/28
		connection\$1 and spoofing		15:53
_	4	709/\$3.ccls. and socket\$1 near10	USPAT	2004/04/28
_	8	connection\$1 and spoofing.ab. 709/\$3.ccls. and socket\$1 near10	USPAT	15:56 2004/04/28
	Ü	connection\$1 and ip with spoofing		16:06
-	0	709/\$3.ccls. and email with server near15	USPAT	2004/04/28
	0.5.0	socket\$1 near10 connection\$1		16:06
_	258	709/\$3.ccls. and server near15 socket\$1 near10 connection\$1	USPAT	2004/04/28 16:11
_	7	709/\$3.ccls. and server near15 socket\$1	USPAT	2004/04/28
	·	near10 connection\$1.ab.		16:12
_	0	709/\$3.ccls. and server near15 socket\$1	USPAT	2004/04/28
		near10 connection\$1.ab.and source with		16:13
_	41	address\$2 709/\$3.ccls. and server near15 socket\$1	USPAT	2004/04/28
		near10 connection\$1 and source with		16:13
		address\$2		
-	6	709/\$3.ccls. and server near15 socket\$1	USPAT	2004/04/28
		near10 connection\$1 and source with address\$2 near10 socket\$1		16:15
_	1213	709/\$3.ccls. and bind\$3 source with	USPAT	2004/04/28
		address\$2 near10 socket\$1		16:15
_	1	709/\$3.ccls. and bind\$3 near15 source	USPAT	2004/04/28
	40	with address\$2 near10 socket\$1	USPAT	16:16 2004/04/28
_	42	709/\$3.ccls. and bind\$3 near15 address\$2 near10 socket\$1	OSPAI	16:17
-	0	709/\$3.ccls. and bind\$3 near15 address\$2	USPAT /	2004/04/28
		near10 socket\$1.ab.		16:16
_	7	709/\$3.ccls. and bind\$3 near15 address\$2	USPAT	2004/04/28
_	35	near10 socket\$1 and spoof\$3 709/\$3.ccls. and bind\$3 near15 address\$2	USPAT	16:17 2004/04/28
	33	near10 socket\$1 not (709/\$3.ccls. and	, , , , , , , , , , , , , , , , , , , ,	16:17
		bind\$3 near15 address\$2 near10 socket\$1		
	_	and spoof\$3)	110000	2004/04/20
_	1	6567848.pn. and socket\$1	USPAT	2004/04/29 13:54
L	<u>.</u>		<u> </u>	13.34

_	811	socket\$1 with host	USPAT	2004/04/29
_	2	socket\$1 with host.ti.	USPAT	13:54
	-	Sockety1 with hose.ti.		13:54
-	2	socket\$1 with host.ti. and socket\$1	USPAT	2004/04/29
	0	socket\$1 with host.ti. and socket\$1 and	USPAT	13:57
·		remote		13:55
_	2		USPAT	2004/04/29
	1	host socket\$1 with host near10 remote.ab.	USPAT	13:59
	_			14:01
-	36	socket\$1 with host near2 server	USPAT	2004/04/29
_	1	socket\$1 with host near2 server.ab.	USPAT	2004/04/29
				14:23
-	2	709/245.ccls. and socket\$1 with host near2 server	USPAT	2004/04/29
_	36		USPAT	2004/04/29
				14:24
-	27	socket\$1 with host near2 server and remote	USPAT	2004/04/29
_	9		USPAT	2004/04/29
		remote near3 client\$1	II.C.D.Z.	14:28
-	9	socket\$1 with host near2 server and remote near3 client\$1 and socket\$!	USPAT	2004/04/29
_	9	socket\$1 with host near2 server and	USPAT	2004/04/29
		remote near3 client\$1 and socket\$1 and socket with address\$2		15:02
_	9		USPAT	2004/04/29
		remote near3 client\$1 and socket\$1 and		15:02
_	7	socket with client with address\$2 socket\$1 with host near2 server and	USPAT	2004/04/29
	<b>'</b>	remote near3 client\$1 and socket\$1 and		15:19
		socket with client near3 address\$2	11077	2004/04/20
-	0	socket\$1 with multiple with host near2 server and remote near3 client\$1 and	USPAT	2004/04/29
		socket\$1 and socket with client near3		
_	0	address\$2   socket\$1 with client near3 address\$2.ti.	USPAT	2004/04/29
		Socketyl with them hears addressyz.tr.		15:14
-	0	socket\$1 with address\$2.ti.	USPAT	2004/04/29
_	4	socket\$1 with client near3 address\$2.ab.	USPAT	2004/04/29
				15:15
_	. 4	socket\$1 with client near3 address\$2.ab.and remote	USPAT	2004/04/29
_	1	5825890.pn. and socket\$1	USPAT	2004/04/29
9 0 0	1	5025000	исраш	15:24
100	1	5825890.pn. and socket\$1 and address\$2	USPAT	2004/04/29
-	30	host with behalf with client\$1	USPAT	2004/04/29
_	R	host with behalf with client\$1 and	USPAT	15:27 2004/04/29
		socket\$1		15:28
-	1	host with behalf with client\$1 and socket\$1 near15 address\$2	USPAT	2004/04/29
_	40	1	USPAT	2004/04/29
		address\$2	IIGDam	15:31
1	4	behalf with client\$1 and socket\$1 near15 address\$2 near15 remote	USPAT	2004/04/29 15:33
-	10	creat\$3 near6 socket\$1 near20 address\$2	USPAT	2004/04/29
_	0	with client creat\$3 near6 socket\$1 near20 address\$2	USPAT	15:34
		with client.ab.		15:34
-	0	creat\$3 near6 socket\$1 near20 address\$2 with client.ti.	USPAT	2004/04/29
_	5	creat\$3 near6 socket\$1 near20 address\$2	USPAT	2004/04/29
		with client and host	II.C.D.T.M.	15:34
-	1	creat\$3 near6 socket\$1 near20 address\$2 with client and (host or server) with	USPAT	2004/04/29
	_	behalf near10 client\$1		
<del></del>				

_	10	l	USPAT	2004/04/29
		with client and (host or server)		15:37
-	4	creat\$3 near6 socket\$1 near20 address\$2	USPAT	2004/04/29
		with client and (host or server) near10		15:42
	,	remote near15 socket\$1	IICD A M	2004/04/20
	4	creat\$3 near6 socket\$1 near20 address\$2	USPAT	2004/04/29 15:48
		with client and (host or server) near10 remote near15 socket\$1 and socket\$1 with		15:46
		address\$2		
	વ	creat\$3 near6 socket\$1 near15 gateway	USPAT	2004/04/29
		cicatys heard socketyr hearrs gateway	OBIAI	15:55
_	2	creat\$3 near6 socket\$1 near15 gateway and	USPAT	2004/04/29
	_	socket near15 address\$2		16:25
_	2		USPAT	2004/04/29
		socket near15 address\$2 and socket\$1		19:47
-	1	·	USPAT	2004/04/29
		•		21:38
-	1	6415329.pn. and domain\$1	USPAT	2004/04/29
				21:55
-	1	6415329.pn. and (OS or (operating with	USPAT	2004/04/29
		system\$1))		22:14
-	0	6415329.pn. and accept	USPAT	2004/04/29
	_	541700		22:14
_	1	6415329.pn. and accept\$5	USPAT	2004/04/29
·	4	C415220	TTC D B CO	22:35
-	1	6415329.pn. and (queue\$1 or buffer\$1)	USPAT	2004/04/29
	1	6415220 mm and /guaya61 an hyffan61)	11CD A TO	2004/04/29
-	1	6415329.pn. and (queue\$1 or buffer\$1)	USPAT	2004/04/29
	1	6119170.pn. and (queue\$1 or buffer\$1)	USPAT	2004/04/29
	+	offisito.ph. and (quedevi of buffervi)	OSPAI	22:56
_	0	creat\$3 with socket\$1 near10 address\$2	USPAT	2004/04/30
•		near6 (host or server or gateway).ab.	002711	11:13
_	15	,	USPAT	2004/04/30
		near6 (host or server or gateway)		11:19
-	15	l	USPAT	2004/04/30
	•	near6 (host or server or gateway) and		11:33
		socket		
_	. 3	creat\$3 with socket\$1 near10 network.ab.	USPAT	2004/04/30
	_			11:35
-	0	creat\$3 with socket\$1 near10 gateway.ab.	USPAT	2004/04/30
		142 113 3 141 110 1114 46	110 D 1 m	11:35
-	3	,	USPAT	2004/04/30
ļ	_	with host\$1	USPAT	2004/04/30
-	6	creat\$3 with socket\$1 near10 remote with host\$1	ODENI	11:37
_	1	· ·	USPAT	2004/04/30
	_	host\$1 near10 (server or gateway)		11:37
-	1	l	USPAT	2004/04/30
	_	near10 (host\$1 or client\$1)		11:42
-	1	creat\$3 with socket\$1 near10 behalf	USPAT	2004/04/30
		near10 (host\$1 or client\$1) and socket		11:43
-	0		USPAT	2004/04/30
		near10 (*server or gateway)		11:43
-	1		USPAT	2004/04/30
		near10 (server or gateway)	II C D D C	11:44
- '	1	6415329.pn.	USPAT	2004/04/30
	0.1	/"//010/7"   "/677600"   "6160602"	USPAT	11:44   2004/04/30
-	21	("4491947"   "4677588"   "5159592"     "5224098"   "5423002"   "5442633"	USPAI	11:44
		3224096		11.11
		"5640386"   "5673322"   "5852721"		
		"5883661"   "6092191"   "6101189"		
		"6115384"   "6157950"   "6198728"		
		"6215776"   "6249523"   "6259701").PN.		
-	7	6415329.URPN.	USPAT	2004/04/30
				11:44
-	0	6415329.URPN.and socket	USPAT	2004/04/30
				11:44

_	2	("4491947"   "4677588"   "5159592"	USPAT	2004/04/30
		"5224098"   "5423002"   "5442633"		11:45
		"5537412"   "5572530"   "5623601"		
		"5640386"   "5673322"   "5852721"		
	i	"5883661"   "6092191"   "6101189"		
		"6115384"   "6157950"   "6198728"		
		"6215776"   "6249523"   "6259701").PN.and		
		socket		
_	1	("4491947"   "4677588"   "5159592"	USPAT	2004/04/30
		"5224098"   "5423002"   "5442633"	051711	11:46
		"5537412"   "5572530"   "5623601"		11.40
		"5640386"   "5673322"   "5852721"		į
	]	"5883661"   "6092191"   "6101189"		
	1	"6115384"   "6157950"   "6198728"		
		"6215776"   "6249523"   "6259701").PN.and		
		socket and address\$2		
	53	1	USPAT	2004/04/30
-	53	,	USPAI	11:47
	1	remote with (host or client)	IICDAM	
-	1	socket near10 (host or client) near10	USPAT	2004/04/30
		remote with (host or client).ab.		11:48
-	83	(server or gateway)near10 manag\$7 near10	USPAT	2004/04/30
1	_	socket		11:48
-	3	(server or gateway) near10 manag\$7 near10	USPAT	2004/04/30
	_	socket near10 remote		11:50
-	3	(server or gateway)near10 manag\$7 near10	USPAT	2004/04/30
		socket near10 remote and socket		11:50
-	41	creat\$3 with socket\$1 near10 (connect\$3	USPAT	2004/04/30
		or between) with (network\$1 or gateway\$1)		12:11
-	16	creat\$3 with socket\$1 near10 (connect\$3	USPAT	2004/04/30
		or between) with (network\$1 or gateway\$1)		12:14
		and socket near15 address\$2		
-	1	creat\$3 with socket\$1 near10 (connect\$3	USPAT	2004/04/30
1		or between) with (network\$1 or gateway\$1)	İ	12:15
	ļ	and socket near15 address\$2 with		
		gateway\$1		
-	4	creat\$3 with socket\$1 near10 (connect\$3	USPAT	2004/04/30
	1	or between) with (network\$1 or gateway\$1)		12:15
		and socket near15 address\$2 near10		
	•	(server or gateway\$1)		
-	321047	creat\$3 with socket\$1 near10 first with	USPAT	2004/04/30
		remote and second remote		12:42
_	1	creat\$3 with socket\$1 near10 first with	USPAT	2004/04/30
		remote and second with remote and		12:42
	İ	address\$2		
_	2	creat\$3 with socket\$1 near10 first with	USPAT	2004/04/30
		remote and second with remote		12:44
-	5	creat\$3 with socket\$1 near10 first with	USPAT	2004/04/30
		remote		12:57
	3	creat\$3 with socket\$1 near10 first with	USPAT	2004/04/30
		remote with (client or host or computer)		12:45
H=1 A	3	creat\$3 with socket\$1 near10 multi\$6 with	USPAT	2004/04/30
		remote		12:46
_	0	(server or gateway) near6 creat\$3 with	USPAT	2004/04/30
		socket\$1 near10 first with remote		12:58
-	9	(server or gateway) near6 creat\$3 with	USPAT	2004/04/30
		socket\$1 with remote		12:58
_	n .	(server or gateway) near6 creat\$3 with	USPAT	2004/04/30
		socket\$1 with remote.ab.		12:58
-	9	(server or gateway) near6 creat\$3 with	USPAT	2004/04/30
		socket\$1 with remote and address		13:42
_	9	(server or gateway) near6 creat\$3 with	USPAT	2004/04/30
		socket\$1 with remote and address and		14:11
		socket		
2	1	6425013.URPN.	USPAT	2004/04/30
1	_			13:49
_	48	socket\$1 with remote and source with	USPAT	2004/04/30
	10	address and socket		14:11
_	11	(gateway or server) with socket\$1 with	USPAT ·	2004/04/30
	11	remote and source with address and socket	JULIA	15:05
_	1	(gateway or server) with source with	USPAT	2004/04/30
		address with socket and socket\$1 with	~~	14:46
		remote		
L	I		<del></del>	<u> </u>

13   socket\$1 with remote and (gateway or server) with source with address and sockets   with remote and (gateway or server) with source with address and socket not (creat\$3 with socket\$1 mean10 first with remote and second with remote)   socket near10 fortened and second with remote)   socket near10 (gateway or server) with socket\$1   uspan   socket near10 (gateway or server) with socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10 (gateway or server)   uspan   socket near10   socket near10   uspan   socket near10   uspan   socket near10   socket near10   uspan   socket near10   uspan   socket near10   socket near10   uspan   socket near10   socket near10   uspan   socket near10   uspan   socket near10   uspan   socket near10   socket near10   uspan   socket near10		T			1
13   sockets  with remote and (gateway or server) with source with address and socket not (creat\$3 with socket\$1 near10 first with remote and second with remote)	-	13	· ·	USPAT	2004/04/30 15:05
	_	13		USPAT	2004/04/30
first with remote and second with remote)			server) with source with address and		15:39
Gateway or server    15:50   2004/04/30   16:50   2004/04/30   16:50   2004/04/30   16:50   2004/04/30   16:29   2004/04/30   2004/04					
63   socket near10 (gateway or server) with remote remote   15:50	_	7		USPAT	1
1   socket near10 (gateway or server) with remote and source with address with (gateway or server)   1   6324582.pn. and domain   USPAT   2004/04/30   16:39   16:39   16:39   16:34   16:34   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:36   16:37	-	63	socket near10 (gateway or server) with	USPAT	2004/04/30
remote and source with address with (gateway or server) 6324582.pn. and domain 1 6324582.pn. and domain and (queue or USPAT 2004/04/30 16:34 1 6324582.pn. and domain and (queue or USPAT 2004/04/30 16:36 1 0 tempor\$6 with queu\$5 with email\$1 USPAT 2004/04/30 1 message\$1. 2 tempor\$6 with queu\$5 with (email\$1 or USPAT 2004/04/30 16:36 2 tempor\$6 with queu\$5 with (email\$1 or USPAT 2004/04/30 message\$1) 2 tempor\$6 with queu\$5 with message\$1 USPAT 2004/04/30 message\$1.ab. 1 tempor\$6 with queu\$5 with outgoing with message\$1.ab. 1 tempor\$6 with queu\$5 with outgoing with message\$1 unique with domain with name USPAT 2004/04/30 16:39 2 unique with domain with name.ab. USPAT 2004/04/30 16:39 2 unique with domain with name.ab. USPAT 2004/04/30 16:40 2 unique with domain with name.ab. USPAT 2004/04/30 16:40 2 unique with domain with name.ab. USPAT 2004/04/30 16:44 2 unique with domain with name.ab. USPAT 2004/04/30 16:44 3 virtual nearl0 remote near10 host with USPAT 2004/04/30 16:44 3 virtual nearl0 remote near10 host with USPAT 2004/04/30 16:56 1 6119170.pn. and (os or operating) USPAT 2004/04/30 16:56 2 1 6415329.pn. and (os or operating) USPAT 2004/04/30 16:56 3 renote with user\$1 with (creat\$3 or send\$3). near10 message near10 gateway remote with user\$1 with access\$3 with computer remote with user\$1 with access\$3 with 2004/04/30	.  -	1		USPAT	1
1 6324582.pn. and domain			remote and source with address with		16:29
1 6324582.pm. and domain and (queue or buffer)	_	1		USPAT	1 1
buffer   0   tempors6 with queu\$5 with email\$1   USPAT   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:39   2004/04/30   16:40   2004/04/30	_	1	6324582.pn. and domain and (queue or	USPAT	1
121784			buffer)		16:36
16:37   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:39   16:30   16:3	-		temporso with queuss with emails!	USPAT	1
243   tempor96 with queu\$5 with (email\$1 or message\$1)   tempor96 with queu\$5 with message\$1   USPAT   2004/04/30   16:37   2004/04/30   16:37   2004/04/30   16:38   2004/04/30   16:38   2004/04/30   16:39   2004/04/30   16:39   2004/04/30   16:39   2004/04/30   16:39   2004/04/30   2004/	_	121784		USPAT	1
243 tempor\$6 with queu\$5 with message\$1 USPAT 2004/04/30 16:37 .  1 tempor\$6 with queu\$5 with outgoing with message\$1.ab.  1 tempor\$6 with queu\$5 with outgoing with message\$1.ab.  1 tempor\$6 with queu\$5 with outgoing with message\$1  2266 unique with domain with name USPAT 2004/04/30 16:39  24 unique with domain with name USPAT 2004/04/30 16:40  4 unique with domain with name.ab. USPAT 2004/04/30 16:40  2 unique with domain with name USPAT 2004/04/30 16:48  2 unique with domain with uspat 2004/04/30 16:48  2 unique with domain USPAT 2004/04/30 16:48  2 unique with domain USPAT 2004/04/30 16:48  2 unique with domain USPAT 2004/04/30 16:56  2 unique with user\$0 remote near10 host with domain with name 16:56  2 unique with user\$0 remote near10 host with domain with name 16:56  2 unique with user\$1 with access\$0 remote 2004/04/30 16:57  2 unique with user\$1 with (creat\$3 or 2004/04/30 17:02  2 unique with user\$1 with (creat\$3 or 2004/04/30 17:05  2 remote with user\$1 with access\$3 with 2004/04/30 17:05  2 remote with user\$1 with access\$3 with 2004/04/30 20	-	243	tempor\$6 with queu\$5 with (email\$1 or	USPAT	2004/04/30
10	_	243		USPAT	2004/04/30
16:38   16:38   16:38   16:38   16:39   16:40   16:40   16:40   16:40   16:40   16:48   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:55   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:49   16:59   16:57   16:5	_		tempors6 with queus5 with outgoing with	USPAT	1
message\$1			message\$1.ab.		16:38
16:40   2004/04/30   16:48   2004/04/30   16:48   2004/04/30   16:48   2004/04/30   16:48   2004/04/30   16:48   2004/04/30   16:44   2004/04/30   16:44   2004/04/30   16:44   2004/04/30   16:44   2004/04/30   16:45   2004/04/30   2004/0	_	10	_	USPAT	
- 4 unique with domain with name.ab 1 6658454.pn. and domain - 3 virtual near10 remote near10 host with domain with name - 4 converted to the series of t	-	206	unique with domain with name	USPAT	1
-   1   6658454.pn. and domain	_	4	unique with domain with name.ab.	USPAT	2004/04/30
-   3   virtual near10 remote near10 host with   domain with name   16:56   16:19170.pn. and (os or operating)   USPAT   2004/04/30   16:57   2004/04/30   16:57   2004/04/30   16:57   2004/04/30   16:57   2004/04/30   17:02   2004/04/30   17:02   2004/04/30   17:02   2004/04/30   17:05   2004/04/30   17:05   2004/04/30   2004/04	_	1	6658454.pn. and domain	USPAT	2004/04/30
- 1 6119170.pn. and (os or operating) - 1 6415329.pn. and (os or operating) - 1 6415329.pn. and (os or operating) - 2004/04/30 - 1 6415329.pn. and user\$1 - 2004/04/30 - 17:02 - 2004/04/30 - 17:05 - 3 remote with user\$1 with (creat\$3 or send\$3) near10 message near10 gateway - remote with user\$1 with access\$3 with computer - remote with user\$1 with access\$3 with computer - remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email) - 4 remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email) - 1 6415329.pn. and remote with access\$3 - 3645 - 3646	_	3		USPAT	2004/04/30
-   1 6415329.pn. and (os or operating)	_	1	6119170.pn. and (os or operating)	USPÄT	
-   1 6415329.pn. and user\$1	-	1	6415329.pn. and (os or operating)	USPAT	2004/04/30
- 3 remote with user\$1 with (creat\$3 or send\$3) near10 message near10 gateway remote with user\$1 with acess\$3 with computer remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email) (415329.pn. and remote with access\$3 USPAT 2004/04/30 17:11	-	1	6415329.pn. and user\$1	USPAT	2004/04/30
- 0 remote with user\$1 with acess\$3 with computer remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email)	_	3		USPAT	2004/04/30
- 1106 remote with user\$1 with access\$3 with computer remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email) - 1 6415329.pn. and remote with access\$3 USPAT 2004/04/30 17:12 - 3645 user with remote with access\$3 USPAT 2004/04/30 17:15 - 7 add\$3 near10 received with email USPAT 2004/04/30 17:17 - 0 add\$3 near10 received with email\$1 near10 (source or sender) add\$3 near10 received with email\$1 USPAT 2004/04/30 17:17 - 8 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:17 - 37 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:17 - 38 add\$3 near10 (email\$1 or message\$1)near10 (source or sender) 17:22 - 357 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:23 add\$3 near10 (arrived or received) 17:24 (source or sender).ab.	_	0	·	USPAT	2004/04/30
- 4 remote with user\$1 with access\$3 with computer near15 creat\$3 with (message or email) - 1 6415329.pn. and remote with access\$3 - 3645 user with remote with access\$3 - 3645 user with remote with access\$3 - 3645 user with remote with email - 3645 user with remote with access\$3 - 3645 user with remote with email - 3645 user with	<u> </u>	1106		USPAT	2004/04/30
computer near15 creat\$3 with (message or email)	<u>11</u>	4	l •	USPAT	1
- 1 6415329.pn. and remote with access\$3 USPAT 2004/04/30 17:12 - 3645 user with remote with access\$3 USPAT 2004/04/30 17:15 - 7 add\$3 near10 received with email USPAT 2004/04/30 17:17 - 0 add\$3 near10 received with email\$1 near10 USPAT 2004/04/30 17:17 - 8 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:17 - 8 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:22 - 357 add\$3 near10 (email\$1 or message\$1)near10 USPAT 2004/04/30 17:23 - 1 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:24 - (source or sender) add\$3 near10 (arrived or received) USPAT 2004/04/30 17:24			computer near15 creat\$3 with (message or		1
- 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with access\$3  - 3645 user with remote with email  - 3645 user with remoil  - 3645 user with remote with email  - 3645 user with remote with email\$1 near10  - 3646 user with		1	·	USPAT	
- 7 add\$3 near10 received with email USPAT 2004/04/30 17:17 - 0 add\$3 near10 received with email\$1 near10 USPAT 2004/04/30 (source or sender) 17:17 - 8 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:22 - 357 add\$3 near10 (email\$1 or message\$1)near10 USPAT 2004/04/30 17:22 - 1 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:23 - 1 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:24 - 51 add\$3 near10 (arrived or received) USPAT 2004/04/30	_	3645	user with remote with access\$3	USPAT	2004/04/30
- 0 add\$3 near10 received with email\$1 near10 USPAT 2004/04/30 17:17 8 add\$3 near10 received with email\$1 USPAT 2004/04/30 17:22 - 357 add\$3 near10 (email\$1 or message\$1)near10 USPAT 2004/04/30 17:22 - 1 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:23 - 2 add\$3 near10 (arrived or received) USPAT 2004/04/30 17:24 - 51 add\$3 near10 (arrived or received) USPAT 2004/04/30	_	7	add\$3 near10 received with email	USPAT	2004/04/30
- add\$3 near10 received with email\$1 USPAT 2004/04/30 17:22 - add\$3 near10 (email\$1 or message\$1)near10 USPAT 2004/04/30 (source or sender)	-	0		USPAT	2004/04/30
- 357 add\$3 near10 (email\$1 or message\$1)near10 USPAT 2004/04/30 (source or sender) 17:23 add\$3 near10 (arrived or received) USPAT 2004/04/30 near10 (email\$1 or message\$1)near10 (source or sender).ab 51 add\$3 near10 (arrived or received) USPAT 2004/04/30	_	8	·	USPAT	2004/04/30
- add\$3 near10 (arrived or received) USPAT 2004/04/30 near10(email\$1 or message\$1)near10 (source or sender).ab 51 add\$3 near10 (arrived or received) USPAT 2004/04/30	-	357		USPAT	2004/04/30
near10(email\$1 or message\$1)near10 (source or sender).ab. add\$3 near10 (arrived or received)  USPAT 2004/04/30	-	1	· ·	USPAT	
- 51 add\$3 near10 (arrived or received) USPAT 2004/04/30			near10(email\$1 or message\$1)near10		17:24
near10(email\$1 or message\$1)near10	-	51	add\$3 near10 (arrived or received)	USPAT	
(source or sender)		·			18:26

-	4	("5093918"   "5377354"   "5619648"   "5826022").PN.	USPAT	2004/04/30 17:30
-	36153	without with bind\$3	USPAT	2004/04/30
_	1	without with bind\$3 with address\$2 with	USPAT	18:27 2004/04/30
_	67	socket without with bind\$3 with socket	USPAT	18:28 2004/04/30
-	, 67	without with bind\$3 with socket	USPAT	18:28 2004/04/30
_	4	without with bind\$3 with socket.ab.	USPAT	18:28 2004/04/30
_	52	without with bind\$3 near10 address\$2	USPAT	18:29 2004/04/30
_	1	without with bind\$3 near10 address\$2	USPAT	18:29 2004/04/30
_	38	near10 socket without with bind\$3 near10 socket	USPAT	18:30 2004/04/30
_	0	"not" with bind\$3 near10 socket	USPAT	18:31 2004/04/30
_	0	"not" with bind\$3 near10 address\$2	USPAT	18:31 2004/04/30
_	1442	bind\$3 near10 address\$2	USPAT	18:31 2004/04/30
_	53	bind\$3 near10 address\$2 near10 socket	USPAT	18:31 2004/04/30
_	1	without near10 bind\$3 near10 address\$2	USPAT	18:33 2004/04/30
_	53	near10 socket bind\$3 near10 address\$2 near10 socket	USPAT	18:34 2004/04/30
_	32867	without near15 bind\$3	USPAT	18:35 2004/04/30
_	1		USPAT	18:36 2004/04/30
_	50	near10 socket without near15 bind\$3 near10 address\$2	USPAT	18:36 2004/04/30
_	1	sendmail.ab.	USPAT	18:47
_	1	sendmail\$2.ab.	USPAT	18:47 2004/04/30
_	0.	sendmail\$1.ti.	USPAT	18:47 2004/04/30 18:48
_	15	sendmail\$1 and add\$3 near15 (email\$1 or message\$1) near15 (receive\$2 or sent or source or sender)	USPAT	2004/04/30 18:49
_	140	<u> </u>	USPAT	2004/04/30 18:50
_	0	6658454.pn. and header	USPAT	2004/05/03
-	1	6658454.pn. and header\$1	USPAT	2004/05/03
	6139	header with (sender or source)	USPAT	2004/05/03
-	0	recevied with header with (sender or source)	USPAT	2004/05/03
-	86		USPAT	2004/05/03
-	0	email near10 adding with header with (sender or source)	USPAT	2004/05/03
-	23	receiv\$3 with adding with header with (sender or source)	USPAT	2004/05/03
-	4	receiver with adding with header with (sender or source)	USPAT	2004/05/03
-	1	6415329.pn. and remote	USPAT	2004/05/03
-	22650	remote with user	USPAT	2004/05/03
, <del>-</del>	31	remote with user and defined with user near10 creat\$3 with (message\$1 or	USPAT	2004/05/03 06:08
_	659	<pre>email\$1) remote with user and defined with user and creat\$3 with (message\$1 or email\$1)</pre>	USPAT	2004/05/03 06:08

[ -	23	remote with user and defined with user	USPAT	2004/05/03
		and creat\$3 with (message\$1 or		06:14
		email\$1).ab.		
_	1	6415329.pn. and message\$1	USPAT	2004/05/03
				06:34
_	110	remote with user with send with message	USPAT	2004/05/03
		Temote with abel with bena with message	052	06:34
_	1	remote with user with send with message	USPAT	2004/05/03
-	1	•	OSFAI	06:35
1		and remote with user with access\$3 near10		06:35
		defined with user		2224/25/22
-	1	remote with user with send with message	USPAT	2004/05/03
		and remote with user with access\$3 near10		06:43
}		defined with user\$1		
-	21	1	USPAT	2004/05/03
		and user with receipt\$4		06:43
-	2	remote with user with send with message	USPAT	2004/05/03
		and user with receipt\$4 and remote with		06:44
	,	user near10 author\$6		
-	21	remote with user with send with message	USPAT	2004/05/03
		and user with receipt\$4 and remote with		06:52
		user		
-	1	remote with user with send with email\$1	USPAT	2004/05/03
		and user with receipt\$4 and remote with		06:58
		user		
_	1	6717513.pn. and remote with user	USPAT	2004/05/03
	1		*****	07:00
_	150268	6717513.pn. and password\$1 or id\$1	USPAT	2004/05/03
	130200	orirois.pm. and passworder of ider	ODIAL	07:00
1_	1	6717513.pn. and (password\$1 or id\$1)	USPAT	2004/05/03
-	1	o/1/313.pm. and (password) or id)	OSFAI	07:01
	1	6717512 nn and /aggaggs or sythoriss)	USPAT	2004/05/03
-	1	6717513.pn. and (access\$5 or authori\$6)	OSPAI	07:53
	1	(717512 mm and lage)	IICDAM	2004/05/03
-	1	6717513.pn. and log\$4	USPAT	· · ·
	675		*******	07:06
-	675	remote with user with authoriz\$5	USPAT	2004/05/03
				07:06
-	10	I	USPAT	2004/05/03
		(message\$1 or email\$1) with (send\$3 or		07:07
		sent) with user with receipt\$4		
· <del>-</del> ·	-8	remote with user with authoriz\$5 and	USPAT	2004/05/03
		(message\$1 or email\$1) with (send\$3 or		07:08
		sent) with user with receipt\$4 and server	]	
-	0	5867661.pn. and socket with gateway	USPAT	2004/05/03
				07:53
-	1	5867661.pn. and socket with server	USPAT	2004/05/03
				07:54
-	0	5867661.pn. and socket with source with	USPAT	2004/05/03
1		address with server		07:54
-	6	socket with source with address with	USPAT	2004/05/03
		(server or gateway)		07:55
_	14	"6415329"	USPAT	2004/10/18
				14:47
_	1	"6415329".pn.	USPAT	2004/10/18
		0110013 .p		14:47
1	1	I .	I	